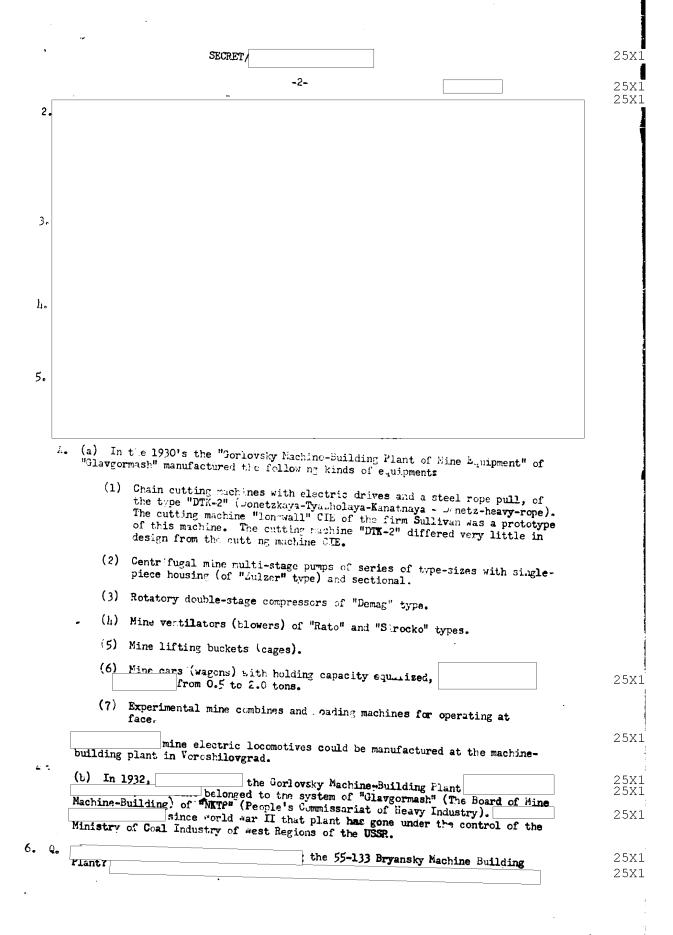
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7.

Sugn	77,	•		25X1
	-3-		<b>→</b> ,	25X1 25X1
This plant is very large the reveletion and was			t before	25X1
road c rs are among the	things manufactured by	this whent	pes or rall-	25X1
of technology to another seems to me that the inve	Te of alloyed steels di Brands of steels the	fers considerably fr mselves are also diff	om one field "erent. It	
of leading machine-build industry of the USSR would	ing plants of most meta	ndards of construction l-capacity fields of the construction of the capacity fields of the capacity fields of the capacity fields.	n materials metal working	
Onterprise 's indicated	or a mula de di dille	tent kinds of steels	at the given	
Both the chemical composite recommended methods of the	tion and mechanical proper heat treatment (see	is are indicated also	as examples.	
"OST's" and "GOST's" of s this problem. They are l alloyed steels used by pl directions to the degree	ante and besides in	usan the real numencl	cutre of	
directions to the degree instances as plant standa	of the actual was as a	o, they cannot give so nese marks of steels i	ich exact in concrete	
steels which are used the building plants: manganes	lowing alloyed steels a	re included in the nu	umber of	25X1
building plants: manganes silicide sheels ("Khron-	e silicide steels ("KG"	-kind), and chrome ma	nachine- unganese	
use steels with the after	shames of	ract which makes it p	ossible to	
(b)	tr (manual) but	nezvy machine-buildi	ng.	25X1
machine-building in the US	SR before we let we tr	nsive, were used in t	he he <b>avy</b>	
Institute of Technology ar	nd Machine-Building) wo	The ventral Scinetinked out a design of	fic-Research the so-	
arch electric relding under	r a thick learn a co	it necessary to make	e automatic	
welding steel plates and t seams with the safety fact	hick sheets and that is	guaranteed the quali	le of it <b>v o</b> f	
weld ng combine was most s i e it would be manufactur	uccessful and would be ed and used at plants.	"introduced" into inc	that the instry,	
				25X1
The momenclature of hot-ro	lled shapes and selid o	TUSS <b>Sec</b> tions is warm	nameou in	
to an even greater degree.	In cases known to me,	the shortage of prof	iles of	
of necessary cross section	so of steel sheets and s be equipment of "Tame"	at the expense of com	boaint	25X1
		Jouer Spructure	enob) of	

manufacture of these experimental machines has been done at the experimental plant of mine equipment, situated near the railroad station "Malakhovka" at a distance of a few tens of kilometers from Moscow.  Defore world war II the process o "bottom swage" (cutting) of layers of coal mines of the Donetz Basin. Loading on conveyors, however, was along principal minings of a mine (slopes, drifts, crosscuts) was mechanized to a considerable degree.  According to the degree.  Indicate the degree of many mass. Hoisting in vertical and sloping thrives from electric motors.  Department "2" was occupied with problems of military production at this plant. Among the duties of this department were the followings understants of order for manufacture; delivery of orders to munificating the plants.	"NKMZ" (Nove-Kramatorsky Mackine-Building Plant) allowed flanging and angular bending of a steel strip and of a sheet of a comparatively small sizes in a cold state.  The individual character of the main manufacture of "LEMZ" id not reserve the possibility for development of foreing in stamps not taking into account militar orders. Except the period of world war II, the free forging was dominant at "NKMZ".  In the thirties cutting machines of the longwall type operated the longwall type were then considered to be the most appropriate for the existing working conditions at the majority of mines in the Donetz Basin.  Of these types, manufactured by the Jorlovsky Machine-Building Plant, were in the test and "finishing" stages.  manufacture of these experimental machines has been done at the experimental plant of mine equipment, situated near the railroad station "Malakhovka" at a distance of a few tens of kilometers from Moscow.	
The individual character of the main manufacture of "NEWA" ind not reserve the possibility for development of forging in Stamps not taking into account military orders. Except the period of world war II, the free forging was dominant at "NEWA".  In the thirties cutting machines of the longwall type operated almost exclusively in the coal mines of the Denetz Basin. Cutting machines of the longwall type were then completed to be the most appropriate for the existing working conditions at the majority of mines in the Denetz Basin.  Of these types, manufactured by the Jorlovsky bachine-Building Clant, were in manufacture of those experimental machines has been done at the experimental machines has been done at the experimental distance of a few tens of kilometers from Moscow.  Defore world war II the process o "bottom swage" (cutting) of layers of coal mone of the Denetz Basin. Loading on occupeous, however, was allowed principal minings of a mine (slopes, diffs, crossel) was mechanized to considerable degree.  Defore world war II the process o "bottom swage" (cutting) of layers of coal mone of the Denetz Basin. Loading on occupeous, however, was allowed principal minings of a mine (slopes, diffs, crossel) was mechanized at considerable degree.  Defore world war II the process o "bottom swage" (cutting) of layers of coal mone of the Denetz Basin. Loading on occupeous, however, was allowed the degree.  Defore world war II the process o "bottom swage" (cutting) of layers of coal mone of the Denetz Basin.  Denet of "c receptual was mechanized was mechanized was mechanized was mechanized at the considerable degree.  Denet of the process of many mass. Hoisting in vertical and sloping this process of the process of many mass. Hoisting in vertical and sloping hards was equipped with skips and cages. New mine hoists were made only with layers from electric motors.  The Technical Department "2" was occupied with problems of military productions at this plant. Arone the duties of this department were the followings to the du	The individual character of the main manufacture of "LEMZ" lid not reserve the possibility for development of foreing in stamps not taking into account military orders. Except the period of world war II, the free forging was dominant at "NKMZ".  In the thirties cutting machines of the longwall type operated almost exclusively in the coal mines of the Donetz Basin. Gutting machines of the longwall type were then considered to be the most appropriate for the existing working conditions at the vajority of mines in the Donetz Basin.  Defore world war II experimental machine the test and "finishing" stages.  Defore world war II experimental machine the test and "finishing" stages.  The work on the manufacture of these experimental machines has been done at the experimental distance of a few tens of kilometers from Moscow.  Defore world war II the process o "bottom swaye" (cutting) of coal and of "a pregnage" to day the process o "bottom swaye" (cutting) of coal and of "a pregnage" to day the process o "bottom swaye" (cutting) of coal and of "a pregnage" to day the process o "bottom swaye" (cutting) of coal and of "a pregnage" to day the process o "bottom swaye" (cutting) of coal and of the process o "bottom swaye" (cutting) of coal and of the process of "bottom swaye" (cutting) of coal and of the process of "bottom swaye" (cutting) of coal and of the process of "bottom swaye" (cutting) of coal and of the process of "bottom swaye" (cutting) of coal and of the process of "bottom swaye" (cutting) of coal and of the process of "bottom swaye" (cutting) of coal and of the process of "bottom swaye" (cutting) of coal and of the process of "bottom swaye" (cutting) of coal and of the process of "bottom swaye" (cutting) of coal and of the process of "bottom swaye" (cutting) of coal and of the process of "bottom swaye" (cutting) of the process of "bottom sway	
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the test and "finishing" stages.  the work on the plant of mine equipment, situated near the railroad station "Malakhovka" at a distance of a few tens of kilometers from Moscow.  Lefere world war II the process o "bottom swage" (cutting) of layers of coal mines of the Donetz Basin. Leading on conveyors, however, was performed by hand. Conveyance of coal to a stockyard (to a shaft of a mine) a considerable degree.  It is considerable degree.  It i	manufacture of these experimental machines has been done at the work on the plant of mine equipment, situated near the railroad station "Malakhovka" at a distance of a few tens of kilometers from Moscow.  Defere world war II the process o "bottom swage" (cutting) of	ed t-
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a) There was the so-called "Tecnnical Department "2" or, as it was often called, brives from electric motors.  There was the so-called "Tecnnical Department "2" or, as it was often called, both this plant. Among the duties of this department were the followings and this plant. Among the duties of ranufacture; delivery of orders to mufacture (special departments of order for manufacture; delivery of orders to mufacture; delivery of orders to	tefore world war II the process o "bottom swage" (cutting) of	les
The Technical Department "2" was occupied with problems of military production at this plant. Among the duties of this department were the followings unufacture (store), edition of order for manufacture; delivery of orders to	layers of coal mines of the Donetz Basin. Loading on conveyors, however, was along principal minings of a mine (slopes, drifts, crosscuts) was more conveyance of coal to a stockward (to a shaft of a mine)	3
reparation of all Documents of order for manufacture; delivery of orders to	a) There was the so-called "Technical Department "2" or, as it was often called, "Spetz Otdel" (special department, at "NKHZ" in Kramatorsk.	d,
	(b) The Technical Department "2" was occupied with problems of military production at this plant. Among the duties of this department were the following: Preparation of all Documents of order for manufacture; delivery of orders to manufacture (shops); giving of consultations necessary to shops on the problems of manufacture of special production; relations with customers.	
J		

11

25X1 -5-25X1 Low instances of shutdowns of the plant "WMML" in Kramatorsk or its individual  $25x\overline{1}$ slops because of difficulties with materials are unknown to me. Steamhydraulic presses of "RPTs" (Forge-Pressing Shop) of "KNMZ" in Elektrostal were but out of rervice several times because of the absence of steam (1943-1944), as a result of a lack of coal at the same time, coal was consumed by the plant in relatively small us titles, just enough to eep the boilers going until permission for use of the inviolable stock was received from "MTH". This situation lasted several dars each time, but only until coal was acquired. Then the inviolable stock was restored, and the normal operation of the steam-iydraulic 13. 25X1 25X1 ceople, all kinds of Codder for livestock, extracted caw natoria s, semifinished amediate, Simished articles of all fields of industry, all can be either in the process of turnover (including consumption) or in the process of storage (preservation). Storage as used here is not understood as that often theing place in the manufacturing process, but rather the storage at the bases of state r terial and provision reserves. are exempted from current consumption by the Soviet authorities are stored at foodstuffs and forage which 25X1 bases of provision (food) reserves. These foodstuffs are reserve funds (stocks) of the Jovernment, accumulated firstly, in case of war, and secondly, for the same principles should be applied to the so-called material reserves. 25X1 14. 25X1 each large Soviet industrial enterprise has stored at the plant its inviolable stock of all principal kinds of fuel which it uses, and of some basic materials which, if there should be an interruption of delivery in them, would cause a shutdown of the plant. Also, there are in existence official norms on the nomenclature and quantities, on 25X1 methods of storage and renovation, and on the rules of use and replacement. at "NKMZ" in Electrostal, the inviolable stock - "NZ" - of coal had 25X1 to be e al in its volume to the two-week consumption. This level was not, however, always maintained. Many times during world war II, the plant had in reserve a coal supply for only two to three days.

-end-